


Shahid Virpatni Laxmi Mahavidyalaya, Titave  
Tal - Radhanagari Dist - Kolhapur

Program Report  
Department of Computer Science

Certificate Course on "Advance 'C' Programming"

<b>Date of Activity</b>	02 <sup>nd</sup> May 2019 to 08 <sup>th</sup> May 2019	Time: 09.00am-03.00pm
<b>Venue of Activity</b>	(Offline) SVLM College, Titave.	
<b>Objectives</b>	To understand Derive solutions for the given problems using decision making and branching concepts To utilize the best of the inbuilt functions for various input and output operations with implement the concept of arrays.	
<b>Activity Coordinators</b>	Mrs. Ahilya P. Patil.	
<b>Name of Teacher</b>	Mrs. Ahilya P. Patil	
<b>Speaker</b>	Mr. M. S. Bhandigre, Mr. S. G. Mane.	
<b>Topics covered</b>	<ul style="list-style-type: none"><li>➤ Introduction to 'C', Console IO Operations, Operators and Expressions.</li><li>➤ Control flow statements working with arrays.</li><li>➤ Basics of stack and queue</li></ul>	
<b>Attendees</b>	Faculty Members along with 60 Computer Science students	
<b>Value of "Advance 'C' Programming"</b>	C is still used extensively in fields where performance matters more than ease of development. While C may be harder to learn than Python or JavaScript, it can be worth the effort to gain skills for building software for constrained devices. The efficiency of C provides unique benefits in the right application domain.	
<b>Photograph</b>		

Guest Take introduction part of "C" programming language

  
Head  
Department Of  
Computer Science



  
Principal  
Shahid Virpatni Laxmi Mahavidyalaya  
Titave, Tal. Radhanagari, Dist. Kolhapur.



Shahid Shikshan Prasarak Mandal, Titave's  
**SHAHID VIRPATNI LAXMI MAHAVIDYALAYA**

Titave, Tal-Radhanagari Dist-Kolhapur

PH (0231) 254370

E-Mail-svlm.titave@gmail.com

Ref.: 2018-19/CS/34

DATE : 23/04/2019

To,  
The Principal,  
Shahid Virpatni Laxmi Mahavidyalaya,  
Titave

**Sub:** Seeking Permission for conducting short term program.

Respected Sir,

We are planning to conduct Short term program on "Advance 'C' Programing".  
The program is scheduled from 2<sup>nd</sup> May 2019 to 8<sup>th</sup> May 2019. I kindly request you to give  
permission for conducting this program.

Thanking You.

Your's faithfully,

*Permitted*

*A.H.*  
HOD

Head  
Department Of  
Computer Science



Shahid Shikshan Prasarak Mandal, Titave's

# SHAHID VIRPATNI LAXMI MAHAVIDYALAYA

Titave, Tal-Radhanagari Dist-Kolhapur

PH (0231) 254370

E-Mail-svlm.titave@gmail.com

Ref.: 2018-19/CS/36A

DATE : 01 / 05 / 2019

To,  
Mr. M. S. Bhandigre,  
Assistant Professor,  
S. G. M. College,  
Gadhinglaj

**Subject:** Invitation for conduct Short term Certificate course on "Advance 'C' Programming".

Dear Sir,

We are very happy to inform you that our institute Shahid Virpatni Laxmi Mahavidyalaya, Titave is going to organize Short term Certificate course on "Advance 'C' Programming". The main focus of the topic is **Basics & advance techniques of 'C' Programming** and also to aware about the importance, usages, and setbacks of the above-mentioned topic.

The program is scheduled from form 2<sup>nd</sup> May 2019 to 8<sup>th</sup> May 2019, at 09.00 am to 03.00 pm. We are eagerly waiting for your confirmation.

Thanks and regards.

  
HOD  
Head  
Department Of  
Computer Science



  
Principal  
Shahid Virpatni Laxmi Mahavidyalaya  
Titave, Tal. Radhanagari, Dist. Kolhapur.



Shahid Shikshan Prasarak Mandal, Titave's  
**SHAHID VIRPATNI LAXMI MAHAVIDYALAYA**

Titave, Tal-Radhanagari Dist-Kolhapur

PH (0231) 254370

E-Mail-svlm.titave@gmail.com

Ref.: 2018-19/CS/36B

DATE : 01/05/2019

To,  
 Mr. S. G. Swami,  
 Assistant Professor,  
 S. G. M. College,  
 Gadhinglaj

**Subject:** Invitation for conduct Short term Certificate course on "Advance 'C' Programming".

Dear Sir,

We are very happy to inform you that our institute Shahid Virpatni Laxmi Mahavidyalaya, Titave is going to organize Short term Certificate Course on "Advance 'C' Programming". The main focus of the topic is **Basics & Advance Techniques of 'C' Programming** and also to aware about the importance, usages, and setbacks of the above-mentioned topic.

The program is scheduled from form **2<sup>nd</sup> May 2019 to 8<sup>th</sup> May 2019**, at **09.00 am to 03.00 pm**. We are eagerly waiting for your confirmation.

Thanks and regards,

*Received*  
*S. G. Swami*

*[Signature]*  
 HOD  
 Head  
 Department Of  
 Computer Science



*[Signature]*  
 Principal  
 Shahid Virpatni Laxmi Mahavidyalaya  
 Titave, Tal. Radhanagari, Dist. Kolhapur.

# SHAHID VIRPANTI LAXMI MAHAVIDYALAYA, TITAVE

## Department Of Computer Science

Date- 27<sup>th</sup> April 2019

### Notice

All the students are hereby informed that, Department of Computer Science is going to organize Short term course On “Advance ‘C’ Programming.” The program will conducted from 2<sup>nd</sup> May 2019 to 8<sup>th</sup> May 2019. Kindly submit your entries to your class teachers.

Time – 09.00 am to 03.00 pm

F.Y. BCA - Pamphlet

  
HOD  
Head  
Department Of  
Computer Science



  
Principal  
Shahid Virpanti Laxmi Mahavidyalaya  
Titave, Tal. Radhanagari, Dist. Kolhapur.

## Registration

Shahid Virpatni Laxmi Mahavidyalaya, Titave

Department of Computer Science

Academic Year 2018-19

Short term Program on

"Advance 'C' Programming"

Sr. No.	Student Name	Sign
1.	BHOPALE SHIVANI VITTHAL	Bhopal
2.	CHOUGALE SAKSHI RAJENDRA	SRC.
3.	CHOUGALE SWAPNALI SURESH	S.S.C.
4.	DAVARI ANKITA SATAPPA	ASDAVARI.
5.	DONGALE PRIYANKA SATAPPA	R.P.P.
6.	DONGALE RADHIKA DAYANAND	R.D.
7.	GURAV SHRUTI SANJAY	S.S.G.
8.	GURAV VINA VASANT	W.G.
9.	JADHAV SHITAL PRAKASH	SPJ.
10.	JONG SHITAL BABASO	SBT.
11.	KAMBALE ANKITA DILIP	ADK
12.	KAMBALE NISHIGANDHA NARAYAN	N.N.K.
13.	KAMBALE RINKAL SAMBHAJI	K.R.
14.	KAMBALE SWATI BALASO	SBK
15.	KAMBLE TEJASHRI SURESH	T.S.K.
16.	KAMBLE ASHWINI JANARDAN	AJK
17.	KAMBLE ASHWINI RAJARAM	ARK

18.	KAMBLE DIPALI ARJUN	①AK
19.	KAMBLE HARSHADA SHAMRAV	HSK
20.	KAMBLE KAJAL SHIVAJI	KSKombt
21.	KAMBLE KARISHMA NARAYAN	KAR
22.	KAMBLE KOMAL RATNADEEP	KRK
23.	KAMBLE MAYA GOVIND	①MGK
24.	KAMBLE PRAJAKTA ASHOK	PAK.
25.	KAMBLE PRAJAKTA KUNDALIK	PRAJAKTA
26.	KAMBLE PRITI SANJAY	PSK...
27.	KAMBLE PRIYANKA RATANADEEP	PRK
28.	KAMBLE RANI TUKARAM	RTK
29.	KAMBLE ROHINI VISHWAS	RVK
30.	KAMBLE RUPALI DNYANDEO	①BRK
31.	KAMBLE SAYALI CHIMAJI	SK
32.	KAMBLE SUREKHA GANAPATI	KASUREKHA
33.	KAMBLE SUVARTA ASHOK	SA
34.	KAMBLE SWATI MARUTI	①MTK
35.	KAMBLE VAISHALI RAJARAM	VRK
36.	KAMBLE VARSAHRANI PRAKASH	FRPrakash
37.	KAMBLE VARSHA BHIMRAO	VBK
38.	PATIL RUTUJA RANGRAV	①RP
39.	CHOUGLE SHRUTI BABURAV	CSB
40.	KOLI SHIVANI SAMBHAJI	SKoli
41.	KURANE RESHMA KRISHNAT	RKK

42.	LOKARE SUJATA BABURAO	BL
43.	MANDAVKAR SAYALI NAMDEV	S.N.M
44.	PARIT MAYURI DATTATRAY	M.D.P
45.	PATIL KOMAL PRADIP	KEMAL
46.	PATIL RUTUJA BABAJI	RBPatil
47.	PATIL RUTUJA DHANAJI	RDP
48.	PATIL SUPRIYA SAMBHAJI	SP
49.	PATIL ULKA VISHNU	ULKA
50.	PATIL VAISHNAVI PRAKASH	V.P.P
51.	POWAR ARCHANA SHAMRAO	ASP
52.	POWAR KOMAL JAYAVANT	KSP
53.	POWAR RUTUJA KRISHNAT	KR.P
54.	SATUSE YOGITA DILIP	YDS
55.	SHINTRE SHIVANI ANIL	SRS
56.	SHIRKE RAKHI RAMESH	R.R.S
57.	SURYAWANSHI NAMITA ARJUN	DAS
58.	SUTAR SONALI NAMDEV	Shu

  
**Head**  
 Department Of  
 Computer Science



  
**Principal**  
 Shahid Virpatni Laxmi Mahavidyalaya  
 Titave, Tal. Radhanagari, Dist. Kolhapur.



**Shahid Virpatni Laxmi Mahavidyalaya, Titave**

**Department of Computer Science**

**Academic Year 2018-19**

Short term Program on

**“Advance ‘C’ Programming”**

**Schedule: 2<sup>nd</sup> to 8<sup>th</sup> May 2019, 09:00 Am to 3:00 Pm**

**Syllabus**

<b>Sr. No.</b>	<b>DATE</b>	<b>TOPIC TO DISCUSS</b>
1.	02/05/2019	<b>Introduction to ‘C’.</b> Introduction and First Program, Why Programming, History of C Language , Hello World Program, Variables and Data types.
2.	03/05/2019	<b>Console IO Operations, Operators and Expressions.</b> Printf and Scanf, Unformatted IO Functions , Operators and Expressions, Expressions and Arithmetic Operators,
3.	04/05/2019	Relational and Logical Operators, Bitwise Operators. <b>Control flow statements working with arrays</b> If Statement, Switch Statement, Unconditional Branching using goto statement.
4.	06/05/2019	While Loop Do While Loop, For Loop, Break and Continue, Special Cases, Working with array.
5.	07/05/2019	<b>Basics of stack and queue</b> Introduction to Data Structures, Stack Using Arrays, Infix to Postfix Expressions, Queue, Queue Using Arrays.
6.	08/05/2019	<b>Practical work</b> 1. Create a temporary file using c programming. 2. Create c program to copy one file into another file. 3. Create c program to Add two matrices. <b>Feedback</b> <b>Test</b>

  
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**Shahid Virpatni Laxmi Mahavidyalaya, Titave**

**Department of Computer Science**

**Academic Year 2018-19**

Short term Certificate course on

**“Advance ‘C’ Programming”**

**Exam**



**Date: 8<sup>th</sup> May 2019, Time: 09:00 Am to 3:00 Pm**

**Instructions:**

- A. All the questions are mandatory.
- B. Each question for 2 Marks.

**1. Who is the father of C language?**

- a) Steve Jobs
- b) James Gosling
- c) Dennis Ritchie**
- d) Rasmus Lerdorf

**2. Which of the following is not a valid C variable name?**

- a) int number;
- b) float rate;
- c) int variable\_count;
- d) int Smain;**

**3. All keywords in C are in \_\_\_\_\_**

- a) LowerCase letters**
- b) UpperCase letters
- c) CamelCase letters
- d) None of the mentioned

**4. Which of the following is true for variable names in C?**

- a) They can contain alphanumeric characters as well as special characters
- b) It is not an error to declare a variable to be one of the keywords (like goto, static)
- c) Variable names cannot start with a digit**
- d) Variable can be of any length

**5. Which is valid C expression?**

- a) int my\_num = 100,000;
- b) int my\_num = 100000;**
- c) int my num = 1000;
- d) int \$my\_num = 10000;

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**6. Which of the following cannot be a variable name in C?**

- a) **volatile**
- b) true
- c) friend
- d) export

**7. What is short int in C programming?**

- a) The basic data type of C
- b) Qualifier
- c) **Short is the qualifier and int is the basic data type**
- d) All of the mentioned

**8. Which of the following declaration is not supported by C language?**

- a) **String str;**
- b) char \*str;
- c) float str = 3e2;
- d) Both "String str;" and "float str = 3e2;"

**9. Which keyword is used to prevent any changes in the variable within a C program?**

- a) immutable
- b) mutable
- c) **const**
- d) volatile

**10. What is the result of logical or relational expression in C?**

- a) True or False
- b) **0 or 1**
- c) 0 if an expression is false and any positive number if an expression is true
- d) None of the mentioned

**11. Which of the following typecasting is accepted by C language?**

- a) Widening conversions
- b) Narrowing conversions
- c) **Widening & Narrowing conversions**
- d) None of the mentioned

**12. Where in C the order of precedence of operators do not exist?**

- a) Within conditional statements, if, else
- b) Within while, do-while
- c) Within a macro definition
- d) **None of the mentioned**

**13. Which of the following is NOT possible with any 2 operators in C?**

- a) Different precedence, same associativity
- b) Different precedence, different associativity
- c) Same precedence, different associativity**
- d) All of the mentioned

**14. What is an example of iteration in C?**

- a) for
- b) while
- c) do-while
- d) all of the mentioned**

**15. Functions can return enumeration constants in C?**

- a) true**
- b) false
- c) depends on the compiler
- d) depends on the standard

  
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## Assessment

Shahid Virpatni Laxmi Mahavidyalaya, Titave

Department of Computer Science

Academic Year 2018-19

Short term Program on

“Advance ‘C’ Programming”

Sr. No.	Student Name	Marks
1.	BHOPALE SHIVANI VITTHAL	18
2.	CHOUGALE SAKSHI RAJENDRA	20
3.	CHOUGALE SWAPNALI SURESH	16
4.	DAVARI ANKITA SATAPPA	22
5.	DONGALE PRIYANKA SATAPPA	24
6.	DONGALE RADHIKA DAYANAND	16
7.	GURAV SHRUTI SANJAY	18
8.	GURAV VINA VASANT	A13
9.	JADHAV SHITAL PRAKASH	20
10.	JONG SHITAL BABASO	26
11.	KAMBALE ANKITA DILIP	22
12.	KAMBALE NISHIGANDHA NARAYAN	A13
13.	KAMBALE RINKAL SAMBHAJI	18
14.	KAMBALE SWATI BALASO	16
15.	KAMBLE TEJASHRI SURESH	20
16.	KAMBLE ASHWINI JANARDAN	24
17.	KAMBLE ASHWINI RAJARAM	22

18.	KAMBLE DIPALI ARJUN	28
19.	KAMBLE HARSHADA SHAMRAV	20
20.	KAMBLE KAJAL SHIVAJI	16
21.	KAMBLE KARISHMA NARAYAN	20
22.	KAMBLE KOMAL RATNADEEP	20
23.	KAMBLE MAYA GOVIND	26
24.	KAMBLE PRAJAKTA ASHOK	18
25.	KAMBLE PRAJAKTA KUNDALIK	20
26.	KAMBLE PRITI SANJAY	16
27.	KAMBLE PRIYANKA RATANADEEP	AB
28.	KAMBLE RANI TUKARAM	12
29.	KAMBLE ROHINI VISHWAS	14
30.	KAMBLE RUPALI DNYANDEO	20
31.	KAMBLE SAYALI CHIMAJI	22
32.	KAMBLE SUREKHA GANAPATI	24
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40.	KOLI SHIVANI SAMBHAJI	18
41.	KURANE RESHMA KRISHNAT	18

42.	LOKARE SUJATA BABURAO	22
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58.	SUTAR SONALI NAMDEV	28

  
 Head  
 Department Of  
 Computer Science



  
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 Shahid Virpatni Laxmi Mahavidyalaya  
 Titave, Tal. Radhanagar, Dist. Kolhapur.





38	PATIL RUTUJA RANGRAV	(BP...)	(RP...)	(RP...)	(RP...)	(RP...)	(RP...)
39	CHOUGLE SHRUTI BABURAV	BC.	BC	BC	BC	BC	BC
40	KOLI SHIVANI SAMBHAJI	S.S.K	S.S.K	S.S.K	S.S.K	S.S.K	S.S.K
41	KURANE RESHMA KRISHNAT	RKkurane	RKkurane	RKkurane	RKkurane	RKkurane	RKkurane
42	LOKARE SUJATA BABURAO	BLokare	BLokare	BLokare	BLokare	BLokare	BLokare
43	MANDAVKAR SAYALI NAMDEV	(SNM)	(NM)	(SNM)	(SNM)	(SNM)	(SNM)
44	PARIT MAYURI DATTATRAY	MDParit	MDParit	MDParit	MDParit	MDParit	MDParit
45	PATIL KOMAL PRADIP	K.P.P	K.P.P	K.P.P	K.P.P	K.P.P	K.P.P
46	PATIL RUTUJA BABAJI	RBPatil	RBPatil	RBPatil	RBPatil	RBPatil	RBPatil
47	PATIL RUTUJA DHANAJI	RD.P..	RD.P..	RD.P..	RD.P..	RD.P..	RD.P..
48	PATIL SUPRIYA SAMBHAJI	S.S.P	S.S.P	S.S.P	S.S.P	S.S.P	S.S.P
49	PATIL ULKA VISHNU	UVPatil	UVPatil	UVPatil	UVPatil	UVPatil	UVPatil
50	PATIL VAISHNAVI PRAKASH	VPatil	VPatil	VPatil	VPatil	VPatil	VPatil
51	POWAR ARCHANA SHAMRAO	ASPowar	ASPowar	ASPowar	ASPowar	ASPowar	ASPowar
52	POWAR KOMAL JAYAVANT	KJP...	KJP...	KJP...	KJP...	KJP...	KJP...
53	POWAR RUTUJA KRISHNAT	RKPowar	RKPowar	RKPowar	RKPowar	RKPowar	RKPowar
54	SATUSE YOGITA DILIP	Y.D.S	Y.D.S	Y.D.S	Y.D.S	Y.D.S	Y.D.S
55	SHINTRE SHIVANI ANIL	SAS.	SAS	SAS	SAS	SAS	SAS
56	SHIRKE RAKHI RAMESH	RRS	RRS	RRS	RRS	RRS	RRS
57	SURYAWANSHI NAMITA ARJUN	N.A.S	N.A.S	N.A.S	N.A.S	N.A.S	N.A.S
58	SUTAR SONALI NAMDEV	SNsutar	SNsutar	SNsutar	SNsutar	SNsutar	SNsutar

  
 Head  
 Department Of  
 Computer Science



  
 Principal  
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 Titave, Tal. Radhanagari, Dist. Kolhapur.



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DATE : 02/05/2019

To,  
 Mr. M. S. Bhandigre,  
 Assistant Professor,  
 S. G. M. College,  
 Gadhinglaj

**Subject:** Thanking letter for joining as Resource Person.

**Ref:** Short term Certificate course Conducted in our institute on "Advance 'C' Programming" from 2<sup>nd</sup> May 2019 to 8<sup>th</sup> May 2019.

Respected Sir,

With reference to above mentioned subject we are thankful for accepting invitation and delivering valuable lectures for Short term Certificate course titled "Advance 'C' Programming." We assure you that your expertise will definitely help our students in their future studies.

With best regards,

Thanking You.

*Received*  
*MSB*

  
 HOD  
 Head  
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 Principal  
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 Titave, Tal. Radhanagari, Dist. Kolhapur




Shahid Shikshan Prasarak Mandal's, Titave  
**Shahid Virpatni Laxmi Mahavidyalaya, Titave**

# CERTIFICATE

This is to Certify that Miss .....  
Of class *BCA..F.y....* has attended / participated /successfully completed six days Add on Program / Short  
Term Program / Certificate Course Program of “**Advance ‘C’ Programming**” organized by  
**Computer Science Department, S.V.L.M., Titave.** Course organized academic year. *2018-19....*

  
Program Co-Ordinator

  
HOD (Computer Science Department)

Head  
Department Of  
Computer Science

  
I/C Principal  
Principal  
Shahid Virpatni Laxmi Mahavidyalaya  
Titave, Tal. Hadhanagar, Dist. Kolhapur